

State of Alaska  
Department of Fish and Game  
Nomination for Waters  
Important to Anadromous Fish

Region ARCTIC 

USGS Quad BEECHY POINT B-3

Anadromous Water Catalog Number of Waterway 330-00-10415

Name of Waterway POTULIGAYUK RIVER

☐ USGS Name

☐ Local Name

☒ Addition

☐ Deletion

☒ Correction

☒ Backup Information

For Office Use

Nomination #	<u>97 044</u>	<u><i>[Signature]</i></u>	<u>12-4-96</u>
Revision Year:		Regional Supervisor	Date
Revision to: Atlas	<u>X</u>	<u><i>[Signature]</i></u>	<u>2/10/97</u>
Both	<u>X</u>	AWC Project Biologist	Date
Revision Code:	<u>E-7 A-1</u>	<u><i>[Signature]</i></u>	<u>12/2/97</u>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
BROAD WHITEFISH	6-27-96		X		<input checked="" type="checkbox"/>
DOLLY VARDEN	6-28-96		X		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

**IMPORTANT:** Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

PLEASE CHANGE AC TO DU (DOLLY VARDEN) -  
TRIP REPORT W/DATA ATTACHED

ALASKA DEPT. OF  
FISH & GAME

DEC 28 1996

Name of Observer (please print)

Date: 12-4-96

Signature:

Address:

CARL HEMMING

*Carl Hemming*

1300 COLLEGE ROAD

FAIRBANKS, ALASKA 99709

REGION II  
HABITAT AND RESTORATION  
DIVISION

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist:

*Carl Hemming*

Revision 11/96

# STATE OF ALASKA

TONY KNOWLES, GOVERNOR

## DEPARTMENT OF FISH AND GAME

### HABITAT & RESTORATION DIVISION

1300 COLLEGE ROAD  
FAIRBANKS, ALASKA 99701-1599  
PHONE: (907) 459-7289  
FAX: (907) 456-3091

July 15, 1996

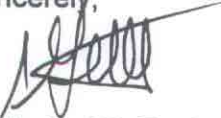
Dr. Christopher J. Herlugson, Supervisor  
Environmental Assessment Section  
Environmental and Regulatory Affairs, Alaska  
BP Exploration (Alaska) Inc.  
P.O. Box 196612  
Anchorage, AK 99519-6612

Dear Dr. Herlugson:

RE: Gravel Pit Study

Enclosed is a trip report prepared by Mr. Hemming summarizing fisheries investigations conducted in the Prudhoe Bay and Kuparuk River units in late June, 1996. Catch rates for Arctic grayling in Mine Sites B and D in the Kuparuk River unit were higher than in previous sample years. In the Putuligayuk and Little Putuligayuk River systems, Dolly Varden and broad whitefish were collected in reaches previously not included in the anadromous catalog. A large number of adult broad whitefish were found in Lake Judith. Similar letters have been sent to Mr. Bob Elder (ARCO Alaska Inc.) and Mr. Rod Hoffman (ARCO Alaska Inc.). If there are any questions please contact either me or Mr. Hemming at 459-7289.

Sincerely,



Alvin G. Ott, Regional Supervisor  
Habitat and Restoration Division  
Department of Fish and Game

Enclosure

cc: w/enclosure  
Craig George, NSB, Barrow  
Bill Wilson, LGL, Anchorage  
Fred Andersen, ADF&G, Fairbanks  
Carl Hemming, ADF&G, Fairbanks

AGO/ago

# North Slope Gravel Mine Site Project Trip Report

June 24-28, 1996

## General Comment

Fisheries investigations were conducted in the Prudhoe Bay and Kuparuk River units of the North Slope oilfields June 24-28, 1996. This trip was the first of three planned for the 1996 field season. We collected data to evaluate the experimental introduction of Arctic grayling (*Thymallus arcticus*) at Kuparuk Mine Site B and D and to characterize summer fish use of the Putuligayuk (Put) River system including the Little Put River and Lake Judith.

We used fyke traps to live capture fish at two Kuparuk area mine sites and in the Put River system. At Kuparuk Mine Site B nets were fished in East Creek above the mine site, at the inlet, and in the mine site. At Mine site D we set nets at the access ramp and near the Charlie Creek inlet at the northwest corner of the site. Three nets were fished in the Put River system: at the Put 27 Mine Site access ramp, in the Put River just east of B Pad upstream of the Spine Road, and in the Little Put River at the inlet to Lake Judith located downstream from Drill Site 14. All fish except ninespine stickleback (*Pugitius pugitius*) were measured (fork length) and released. Ninespine stickleback were identified, enumerated and released. Grayling captured in the Kuparuk mine sites were marked with a dorsal fin hole punch. A recapture event will occur later in the summer to estimate the population of grayling at each site. Large broad whitefish (*Coregonus nasus*) in the Put River system were marked with internal anchor tags.

Weather conditions were cool and overcast with moderate winds. Water temperatures ranged from 4 to 9 ° C while air temperatures were slightly above the freezing point.

## Personnel and Logistics

BPX provided field logistical support including, air transportation from Fairbanks to Deadhorse and return, room and board at Annex # 1, and a motor pool truck. Bill Morris assisted with the field work.

## Significant Findings

### Put River System

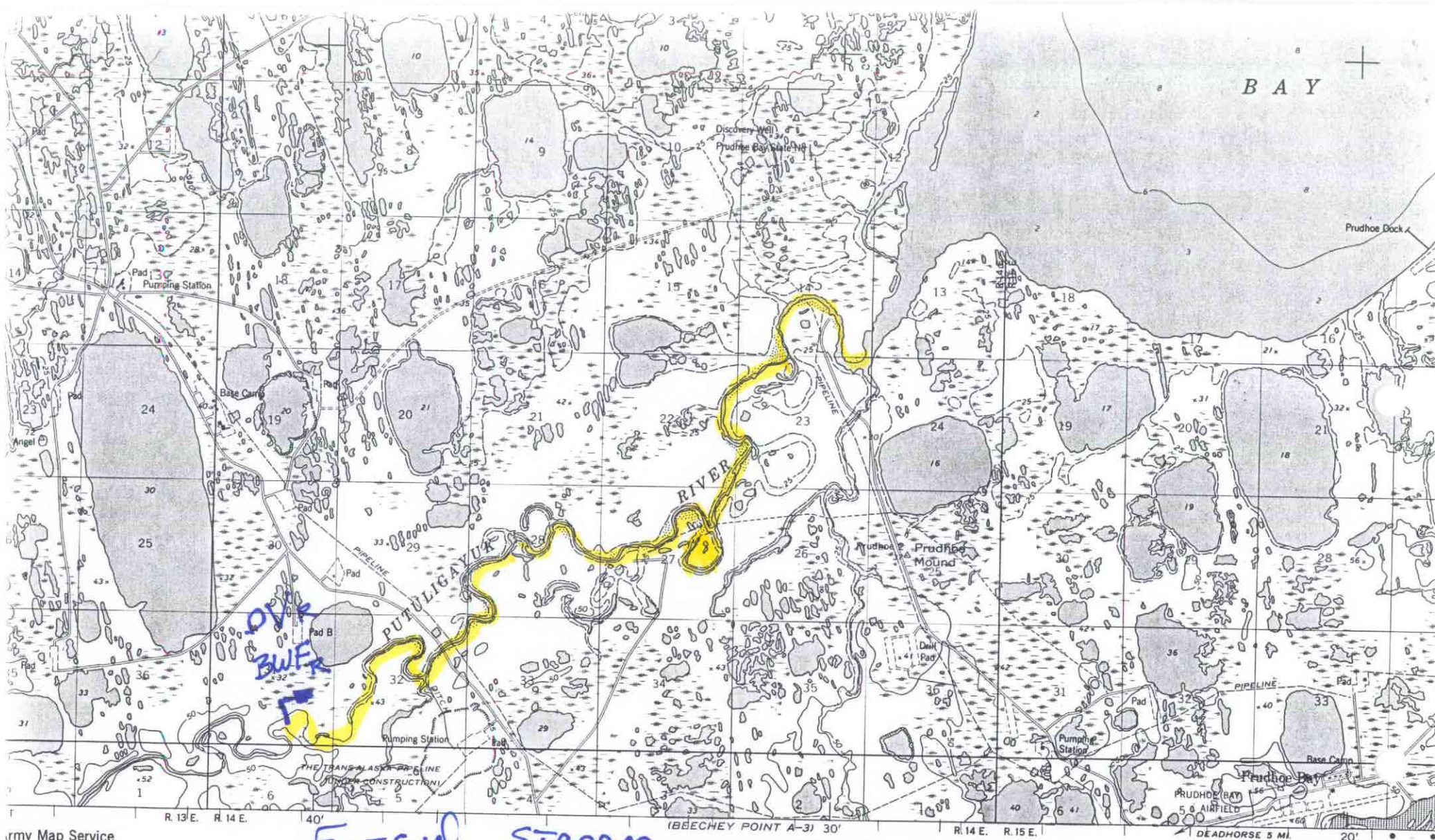
Five species of fish were captured in Put 27; Arctic flounder (*Liopsetta glacialis*), fourhorn sculpin (*Myoxocephalus quadricornis*), ninespine stickleback, Dolly Varden



Table 1. Fish captured in the Put River system, 1996.

Date	Location	Water Temp ° C	Species Captured	Number	Fork Length (mm)	Tag #
6/26/96	Put 27	9.0	Dolly Varden	2	144	
					166	
			Arctic flounder	5	47	
					57	
					60	
					75	
					90	
			fourhorn sculpin	3	62	
					90	
					116	
			ninespine stickleback	26	n/a	
	Lake Judith	5.0	broad whitefish	8	365	white 906
					370	white 904
					385	white 903
					408	white 908
					420	white 905
					460	white 907
					471	white 901
					490	white 902
6/27/96	Put River	7.0	broad whitefish	2	372	white 910
					434	white 909
	Put 27	8.0	broad whitefish	1	473	white 911
			fourhorn sculpin	1	132	
			ninespine stickleback	12	n/a	
	Lake Judith	5.0	broad whitefish	16	355	white 917
					359	white 919
					360	white 924
					367	white 918
					369	white 926
					370	white 925
					380	white 916
					395	white 913
					404	white 921
					405	white 915
					410	white 920
					426	white 923
					430	white 914
					455	white 922
					460	white 912
					485	white 927
			Dolly Varden	1	153	





Army Map Service  
 ed by the Geological Survey  
 and USCE

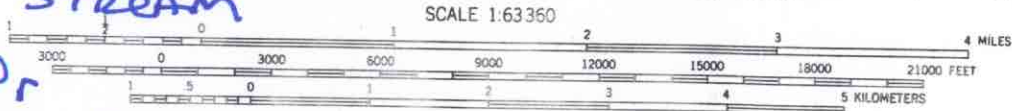
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e Mercator projection, 1927 North American datum  
 ks based on Alaska coordinate system, zone 5  
 al Transverse Mercator grid ticks,  
 ue

esent unsurveyed and unmarked locations  
 ie Bureau of Land Management  
 eridian  
 unchecked

EXTEND STREAM  
 W/ DV  
 CHANGE AC  
 BECCY POINT  
 B-3



CONTOUR INTERVAL 50 FEET  
 LINES REPRESENT 25-FOOT CONTOURS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER  
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.5 OF A FOOT

FOR SALE BY U.S. GEOLOGICAL SURVEY  
 FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



Revisions shown in purple compiled from aerial photographs  
 taken 1975. This information not field checked